CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22

Date: 24.12.2021

TEST REPORT ON CEMENT

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of Work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Sample ID: : Cement (Ultratech 53 grade OPC)

Sample Supplied by: : AGENCY

Date of Manufacture: : November - 2021

Date of Testing : 22.12.2021 to 24.12.2021

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	140 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	365 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.00%	-

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ಪೂ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22 Date : 24.12.2021

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
Agency : **Technical Manager (West),** KRIDL, Bangalore.
Name of Work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Date of Testing : 24.12.2021
IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)
Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	93	9.30	9.30	90.7	90-100
2.36	112	11.20	20.50	79.5	75-100
1.18	174	17.40	37.90	62.1	55-90
600 Micron	202	20.20	58.10	41.9	35-59
300 Micron	164	16.40	74.50	25.5	8-30
150 Micron	195	19.50	94.00	6.0	0-10

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ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22 Date : 24.12.2021

TEST REPORT ON COARSE AGGREGATES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of Work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Date of Testing : 24.12.2021

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	209	1.39	1.39	98.61	95-100
20	8361	55.74	57.13	42.87	30-70
10	3275	21.83	78.97	21.03	10-35
4.75	2544	16.96	95.93	4.07	0-5

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22

Date : 24.12.2021

TEST REPORT ON COARSE AGGREGATES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of Work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Date of Testing : 24.12.2021

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	211	4.2	4.2	95.8	95-100
10	2681	53.6	57.8	42.2	25-55
4.75	1735	34.7	92.5	7.5	0-10

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22 Date : 24.12.2021

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of Work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Date of Testing : 24.12.2021

Material : Sand(Plastering) Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	20	2.00	2.00	98.0	95-100
2.36	17	1.70	3.70	96.3	95-100
1.18	29	2.90	6.60	93.4	90-100
600 Micron	68	6.80	13.40	86.6	80-100
300 Micron	229	22.90	36.30	63.7	20-65
150 Micron	504	50.40	86.70	13.3	0-15

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Date : 24.12.2021

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : Executive Engineer, Dasarahalli Division, BBMP, Bangalore.

Agency : Technical Manager (West), KRIDL, Bangalore.

Name of Work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Date of Testing : 24.12.2021

Material : Sand(Masonry)

Total wt. of aggregates in gms = 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	19	1.90	1.90	98.1	90-100
1.18	16	1.60	3.50	96.5	70-100
600 Micron	81	8.10	11.60	88.4	40-100
300 Micron	237	23.70	35.30	64.7	5-70
150 Micron	504	50.40	85.70	14.3	0-15

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Date: 03.01.2021

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client	:	**: Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
Contractor	:	**: Technical Manager (West),** KRIDL, Bangalore.
Name of Work	:	: Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	03.01.2021
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{25}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	79.00	0.359	2314.39	1.58	0.955	32.60	16.60	17.93	17.12	21.40
2	50.00	81.00	0.373	2345.28	1.62	0.959	33.80	17.21	18.59	17.83	22.29
3	50.00	83.00	0.388	2380.80	1.66	0.963	34.50	17.57	18.98	18.28	22.85

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

17.01.2022

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of the work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.01.2022	17.01.2022	8.115	514.2	22.85
2	10.01.2022	17.01.2022	8.137	498.6	22.16
3	10.01.2022	17.01.2022	8.159	521.3	23.17

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22

17.01.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of the work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.01.2022	17.01.2022	8.062	506.4	22.51
2	10.01.2022	17.01.2022	8.021	537.5	23.89
3	10.01.2022	17.01.2022	8.097	524.1	23.29

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22 17.01.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of the work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.01.2022	17.01.2022	8.086	512.3	22.77
2	10.01.2022	17.01.2022	8.129	498.8	22.17
3	10.01.2022	17.01.2022	8.149	520.5	23.13

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22

17.01.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
Agency	: **Technical Manager (West),** KRIDL, Bangalore.
Name of the work	: Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.01.2022	17.01.2022	8.014	511.9	22.75
2	10.01.2022	17.01.2022	8.075	501.2	22.28
3	10.01.2022	17.01.2022	8.112	523.2	23.25

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ಬೆಂಗಳೂರು-560073.

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

17.01.2022

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of the work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.01.2022	17.01.2022	8.195	515.4	22.91
2	10.01.2022	17.01.2022	8.157	532.1	23.65
3	10.01.2022	17.01.2022	8.114	524.2	23.30

Note:

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22

Date: 17.01.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of the work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.01.2022	17.01.2022	8.065	502.3	22.32
2	10.01.2022	17.01.2022	8.025	489.6	21.76
3	10.01.2022	17.01.2022	8.178	490.2	21.79

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22 Date: 18.01.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of the work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.01.2022	18.01.2022	8.002	513.5	22.82
2	11.01.2022	18.01.2022	8.196	524.6	23.32
3	11.01.2022	18.01.2022	8.068	508.1	22.58

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Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22 Date: 18.01.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of the work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.01.2022	18.01.2022	8.097	500.1	22.23
2	11.01.2022	18.01.2022	8.001	516.3	22.95
3	11.01.2022	18.01.2022	8.168	531.4	23.62

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22 Date: 18.01.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of the work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.01.2022	18.01.2022	8.017	486.9	21.64
2	11.01.2022	18.01.2022	8.189	492.5	21.89
3	11.01.2022	18.01.2022	8.198	497.9	22.13

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Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.01.2022	18.01.2022	8.001	493.5	21.93
2	11.01.2022	18.01.2022	8.154	482.5	21.44
3	11.01.2022	18.01.2022	8.078	490.1	21.78

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Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22 Date: 18.01.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of the work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.01.2022	18.01.2022	8.025	512.3	22.77
2	11.01.2022	18.01.2022	8.196	506.2	22.50
3	11.01.2022	18.01.2022	8.035	517.1	22.98

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22

Date: 18.01.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of the work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.01.2022	18.01.2022	8.098	518.2	23.03
2	11.01.2022	18.01.2022	8.074	528.1	23.47
3	11.01.2022	18.01.2022	8.052	500.9	22.26

Note:

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For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22 Date: 07.02.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of the work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on :28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.01.2022	07.02.2022	8.153	726.3	32.28
2	10.01.2022	07.02.2022	8.098	735.1	32.67
3	10.01.2022	07.02.2022	8.003	740.9	32.93

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22

Date: 07.02.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of the work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on :28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.01.2022	07.02.2022	8.011	740.3	32.90
2	10.01.2022	07.02.2022	8.063	728.9	32.40
3	10.01.2022	07.02.2022	8.084	738.1	32.80

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Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22 Date: 07.02.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

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Name of the work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on :28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.01.2022	07.02.2022	8.098	726.3	32.28
2	10.01.2022	07.02.2022	8.157	751.2	33.39
3	10.01.2022	07.02.2022	8.053	743.9	33.06

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Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22 Date: 07.02.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of the work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on :28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.01.2022	07.02.2022	8.009	760.3	33.79
2	10.01.2022	07.02.2022	8.165	735.8	32.70
3	10.01.2022	07.02.2022	8.078	740.9	32.93

Note:

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For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

ಸಹಾಯಕ ಕಾರ್ಯ...
ಟಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿ.ಜಿ.ಎಂ.ಪಿ
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Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22 Date: 07.02.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of the work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on :28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.01.2022	07.02.2022	8.098	735.9	32.71
2	10.01.2022	07.02.2022	8.135	740.6	32.92
3	10.01.2022	07.02.2022	8.075	728.1	32.36

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Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22 Date: 07.02.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of the work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on :28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.01.2022	07.02.2022	8.065	750.6	33.36
2	10.01.2022	07.02.2022	8.154	735.1	32.67
3	10.01.2022	07.02.2022	8.078	740.9	32.93

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KRIDL/W.No.15/2021-22 Date: 08.02.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Technical Manager (West),** KRIDL, Bangalore.

Name of the work : Improvements and construction of RCC drain and CC road Bhuvaneshwari nagara 5th, 4th, 3rd and 2nd cross ward no.15 T.Dasarahalli, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on :28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.01.2022	08.02.2022	8.032	740.6	32.92
2	11.01.2022	08.02.2022	8.189	728.5	32.38
3	11.01.2022	08.02.2022	8.025	719.1	31.96

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Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.01.2022	08.02.2022	8.109	706.2	31.39
2	11.01.2022	08.02.2022	8.160	699.6	31.09
3	11.01.2022	08.02.2022	8.137	715.2	31.79

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Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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Cross Sectional Area : 22500 mm^2

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Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.01.2022	08.02.2022	8.172	711.6	31.63
2	11.01.2022	08.02.2022	8.198	725.1	32.23
3	11.01.2022	08.02.2022	8.154	736.2	32.72

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.01.2022	08.02.2022	8.022	706.2	31.39
2	11.01.2022	08.02.2022	8.081	715.2	31.79
3	11.01.2022	08.02.2022	8.129	724.5	32.20

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.01.2022	08.02.2022	8.164	706.2	31.39
2	11.01.2022	08.02.2022	8.142	699.6	31.09
3	11.01.2022	08.02.2022	8.189	715.2	31.79

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Grade of Concrete : M_{30}

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.01.2022	08.02.2022	8.149	711.6	31.63
2	11.01.2022	08.02.2022	8.190	725.1	32.23
3	11.01.2022	08.02.2022	8.031	736.2	32.72

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